

**Amendments to the Specification:**

Please replace paragraph [001] and [002] with the following amended paragraph(s):

**CROSS-REFERENCES TO RELATED APPLICATIONS**

[0001] This application is a U.S. national phase application under 35 § 371, claiming benefit and priority from PCT International application PCT/US2004/023566, Methods, Systems, and Software for Predicting Biochemical Networks or Pathways, filed July 21, 2004; which claims the benefit and priority to U.S. Provisional Application No. 60/489,317, filed July 22, 2003, the disclosure of which is incorporated by reference in its entirety for all purposes.

**COPYRIGHT NOTIFICATION**

[0002] Pursuant to 37 C.F.R. § 1.71(e), Applicants note that a portion of this disclosure contains material which is subject to copyright protection. The copyright owner has no objection to the facsimile reproduction by anyone of the patent document or patent disclosure, as it appears in the Patent and Trademark Office patent file or records, but otherwise reserves all copyright rights whatsoever.